

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method for updating information on security, in which a plurality of clients ~~client is~~ are connected with a ~~server~~ storage apparatus through a network, said ~~server~~ storage apparatus ~~including a storage device that is managed by said client, said storage device~~ storing security information ~~that is referenced by said client~~, said method comprising:

storing operation systems, application programs, and data of said plurality of clients in said storage apparatus;

sending said operation systems and said application programs to said plurality of clients when said plurality of clients are initiated in response to requests from said plurality of clients; and

updating said security information stored in said storage apparatus, ~~device that said client manages in said server without communication between said client and said server~~ wherein said plurality of clients do not include a local disk device, and said storage apparatus includes a program configured to update security information of said plurality of clients regardless of whether or not said plurality of clients are initiated.

2. (canceled)

3. (currently amended) A method for updating information on security according to claim 1, wherein said storage apparatus ~~server~~ is connected to a management computer through said network and wherein said updating said security information is conducted by said management computer.

4. (currently amended) A method for updating information on security according to claim 1, wherein said storage apparatus ~~device that said client manages in said~~

~~server~~ stores files that said clients use client-uses, and wherein said security information includes attributes relating to said files that said clients use client-uses.

5. (currently amended) A method for updating information on security according to claim 4, wherein said security information includes access, control information with respect to said files that said clients use client-uses.

6. (currently amended) A method for updating information on security according to claim 1, wherein said clients reference client-references said security information of said clients client.

7. (currently amended) A method for updating information on security according to claim 6, wherein said security information includes authentication information for permitting use of said clients client by a user.

8. (currently amended) A plurality of clients client connected to a server through a network, said plurality of clients server including a storage device, said client comprising:

~~a unit managing said storage in said server, said a storage apparatus device~~ storing security information, said storage apparatus including a program configured to update security information of a plurality of clients regardless of whether or not said plurality of clients are initiated being updated without communication between said client and said server; and

a unit referencing said security information,

wherein said plurality of clients do not include a local disk device, and said storage apparatus is configured to store operation systems, application programs, and data of said plurality of clients in said storage apparatus; and to send said operation systems and said application programs to said plurality of clients when said plurality of clients are initiated in response to requests from said plurality of clients.

9. (canceled)

10. (currently amended) A plurality of clients ~~client~~ according to claim 8, wherein a management computer is connected to said storage apparatus ~~server~~ through said network and said security information of said clients ~~client~~ is updated by said management computer.

11. (currently amended) A plurality of clients ~~client~~ according to claim 8, wherein said storage apparatus ~~device that said client manages in said server~~ stores files that said clients use ~~client uses~~, and wherein said security information includes attributes relating to said files that said clients use ~~client uses~~.

12. (currently amended) A plurality of clients ~~client~~ according to claim 11, wherein said security information of said clients ~~client~~ includes access control information with respect to said files that said clients use ~~client uses~~.

13. (currently amended) A plurality of clients ~~client~~ according to claim 8, wherein said security information includes authentication information for permitting use of said clients ~~client~~ by a user.

14. (currently amended) A storage apparatus ~~server~~ connected to a plurality of clients ~~client~~ through a network, said storage apparatus ~~server~~ comprising:
a unit communicating with said plurality of clients ~~client~~ through said network,

wherein said storage apparatus includes a program configured to update security information of said plurality of clients regardless of whether or not said plurality of clients are initiated,

wherein said plurality of clients do not include a local disk device, and said storage apparatus is configured to store operation systems, application programs, and data of said plurality of clients in said storage apparatus; and to send said operation systems and said application programs to said plurality of clients when said plurality of clients are initiated in response to requests from said plurality of clients

;
and

~~a storage device that is managed by said client, said storage device storing security information that is referenced by said client, to be updated, without communication between said client and said server.~~

15. (canceled)

16. (currently amended) A storage apparatus server according to claim 14, wherein a management computer is connected to said storage apparatus server through said network and said security information is updated by said management computer.

17. (currently amended) A storage apparatus server according to claim 14, wherein said storage apparatus device stores files that said clients use ~~client uses~~, and wherein said security information includes attributes relating to said files that said clients use ~~client uses~~.

18. (currently amended) A storage apparatus server according to claim 17, wherein said security information includes access control information with respect to said files that said clients use ~~client uses~~.

19. (currently amended) A storage apparatus server according to claim 14, wherein said security information is referenced by said clients ~~client~~.

20. (currently amended) A storage apparatus server according to claim 19, wherein said security information includes authentication information for permitting use of said clients ~~client~~ by a user.

21. (currently amended) A management computer connected through a network to a storage apparatus and a plurality of clients server, ~~said server including a storage device that is managed by a client, said storage apparatus device~~ storing security information ~~that is referenced by said client~~, said management computer comprising:

a unit communicating with said storage apparatus server through said network;
and

~~a unit updating said security information without communication between said client and said server,~~

wherein said storage apparatus includes a program configured to update security information of said plurality of clients regardless of whether or not said plurality of clients are initiated,

wherein said plurality of clients do not include a local disk device, and said storage apparatus is configured to store operation systems, application programs, and data of said plurality of clients in said storage apparatus; and to send said operation systems and said application programs to said plurality of clients when said plurality of clients are initiated in response to requests from said plurality of clients.

22. (currently amended) A method for updating information on security in a plurality of clients ~~client~~ and a storage apparatus ~~server~~ connected with each other through a network, said storage apparatus configured to store ~~server including a storage device that stores~~ a file to be accessed by said clients ~~client~~ and security information to be used in access control for said file, said method comprising:

in said storage apparatus ~~server~~, receiving security information from a management computer connected via the network, and updating said security information stored in said storage apparatus ~~device~~ to the received security information, and

in said plurality of clients ~~client~~, each time said plurality of clients ~~access client~~ accesses said file stored in said storage apparatus ~~device of said server~~, referencing said security information stored in said storage apparatus ~~device of said server~~, and performing access control for said file based on said security information,

wherein said storage apparatus includes a program configured to update security information of said plurality of clients regardless of whether or not said plurality of clients are initiated,

wherein said plurality of clients do not include a local disk device, and said storage apparatus is configured to store operation systems, application programs, and data of said plurality of clients in said storage apparatus; and to send said operation systems and said application programs to said plurality of clients when said plurality of clients are initiated in response to requests from said plurality of clients.